Sun-Hoffman

164 2 13
2/22/13

CRF Errors Corrected by the STIC Systems Branch

Serial Number: 09/049 695A

CRF Processing Date: 2/22/2000
Edited by: _____
Verified by: _____ (STIC staff)

ENTERED

- [ ] Changed a file from non-ASCII to ASCII

- [ ] Changed the margins in cases where the sequence text was wrapped down to the next line.

- [ ] Edited a format error in the Current Application Data section, specifically:
  _____

- [ ] Edited the Current Application Data section with the actual current number. The number inputted by the applicant was [ ] the prior application data; or [ ] other _____.

- [ ] Added the mandatory heading and subheadings for "Current Application Data".

- [ ] Edited the "Number of Sequences" field. The applicant spelled out a number instead of using an integer.

- [ ] Changed the spelling of a mandatory field (the headings or subheadings), specifically:
  _____

- [ ] Corrected the SEQ ID NO when obviously incorrect. The sequence numbers that were edited were:
  _____

- [ ] Inserted or corrected a nucleic number at the end of a nucleic line. SEQ ID NO's edited:
  _____

- [ ] Corrected subheading placement. All responses must be on the same line as each subheading. If the applicant placed a response below the subheading, this was moved to its appropriate place.

- [ ] Inserted colons after headings/subheadings. Headings edited included:
  _____

- [ ] Deleted extra, invalid, headings used by an applicant, specifically:
  _____

- [ ] Deleted: [ ] non-ASCII "garbage" at the beginning/end of files; [ ] secretary initials/filename at end of file; [ ] page numbers throughout text; [ ] other invalid text, such as _____ .

- [ ] Inserted mandatory headings, specifically: _____

- [✓] Corrected an obvious error in the response, specifically:
  Seqs 23-25 - replaced "TYPE" response of "DNA" with "nucleic acid"

- [ ] Edited identifiers where upper case is used but lower case is required, or vice versa.

- [ ] Corrected an error in the Number of Sequences field, specifically:
  _____

- [ ] A "Hard Page Break" code was inserted by the applicant. All occurrences had to be deleted.

- [ ] Deleted *ending* stop codon in amino acid sequences and adjusted the "(A)Length:" field accordingly (error due to a PatentIn bug). Sequences corrected: _____

- [ ] Other:
  _____
  _____
  _____

RECEIVED MAR 19 2001 TO 1600 MAIL ROOM

Examiner: The above corrections must be communicated to the applicant in the first Office Action. DO NOT send a copy of this form.

3/1/95

> This Raw Listing contains the General
> Information Section and up to the first 5 pages.

```
 1                              SEQUENCE LISTING
 2
 3   (1)      General Information
 4
 5            (i) APPLICANT:   BILLING-MEDEL, PATRICIA A.
 6                             COHEN, MAURICE
 7                             COLPITTS, TRACEY L.
 8                             FRIEDMAN, PAULA N.
 9                             HAYDEN, MARK
10                             KLASS, MICHAEL R.
11                             ROBERTS-RAPP, LISA
12                             RUSSELL, JOHN C.
13                             STROUPE, STEPHEN D.
14
15
16
17            (ii) TITLE OF THE INVENTION: REAGENTS AND METHODS USEFUL
18                      FOR DETECTING DISEASES OF THE GASTROINTESTINAL
19                      TRACT
20
21            (iii) NUMBER OF SEQUENCES: 25
22
23            (iv) CORRESPONDENCE ADDRESS:
24              (A) ADDRESSEE: Abbott Laboratories
25              (B) STREET: 100 Abbott Park Road
26              (C) CITY: Abbott Park
27              (D) STATE: IL
28              (E) COUNTRY: USA
29              (F) ZIP: 60064-3500
30
31            (v) COMPUTER READABLE FORM:
32              (A) MEDIUM TYPE: Diskette
33              (B) COMPUTER: IBM Compatible
34              (C) OPERATING SYSTEM: DOS
35              (D) SOFTWARE: FastSEQ for Windows Version 2.0
36
37            (vi) CURRENT APPLICATION DATA:
38              (A) APPLICATION NUMBER:
39              (B) FILING DATE:
40              (C) CLASSIFICATION:
41
42            (vii) PRIOR APPLICATION DATA:
43              (A) APPLICATION NUMBER: 08/828,845
44              (B) FILING DATE: 31-MAR-1997
45
46
```

PAGE: 2

RAW SEQUENCE LISTING
PATENT APPLICATION   *US/09/049,695A*

DATE: 02/22/2000
TIME: 18:53:23

INPUT SET: S34817.raw

```
47          (viii) ATTORNEY/AGENT INFORMATION:
48             (A) NAME: Beck r, Cheryl L.
49             (B) REGISTRATION NUMBER: 35,441
50             (C) REFERENCE/DOCKET NUMBER: 6066.US.P1
51
52          (ix) TELECOMMUNICATION INFORMATION:
53             (A) TELEPHONE: 847/935-1729
54             (B) TELEFAX: 847/938-2623
55             (C) TELEX:
56
57
58             (2) INFORMATION FOR SEQ ID NO:1:
59
60          (i) SEQUENCE CHARACTERISTICS:
61             (A) LENGTH: 254 base pairs
62             (B) TYPE: nucleic acid
63             (C) STRANDEDNESS: single
64             (D) TOPOLOGY: linear
65
66
67          (xi) SEQUENCE DESCRIPTION: SEQ ID NO:1:
68
69   CTGGGATCAG CCACTGCAGC TCCCTGAGCA CTCTCTACAG AGACGCGGAC CCCAGACATG    60
70   AGGAGGCTCC TCCTGGTCAC CAGCCTGGTG GTTGTGCTGC TGTGGGAGGC AGGTGCAGTC   120
71   CCAGCACCCA AGGTCCCTAT CAAGATGCAA GTCAAACACT GGCCCTCAGA GCAGGACCCA   180
72   GAGAAGGCCT GGGGCGCCCG TGTGGTGGAG CCTCCGGAGA AGGACGACCA GCTGGTGGTG   240
73   CTGTTCCCTG TCCA                                                      254
74
75             (2) INFORMATION FOR SEQ ID NO:2:
76
77          (i) SEQUENCE CHARACTERISTICS:
78             (A) LENGTH: 261 base pairs
79             (B) TYPE: nucleic acid
80             (C) STRANDEDNESS: single
81             (D) TOPOLOGY: linear
82
83
84          (xi) SEQUENCE DESCRIPTION: SEQ ID NO:2:
85
86   AGCCACTGCA GCTCCCTGAG CACTCTCTAC AGAGACGCGG ACCCCAGACA TGAGGAGGCT    60
87   CCTCCTGGTC ACCAGCCTGG TGGTTGTGCT GCTGTGGGAG GCAGGTGCAG TCCCAGCACC   120
88   CAAGGTCCCT ATCAAGATGC AAGTCAAACA CTGGCCCTCA GAGCAGGACC CAGAGAAGGC   180
89   CTGGGGCGCC CGTGTGGTGG AGCCTCCGGA GAAGGACGAC CAGCTGGTGG TGCTGTTCCC   240
90   TGTCCAGAAG CCGAAACTCT T                                              261
91
92             (2) INFORMATION FOR SEQ ID NO:3:
93
94          (i) SEQUENCE CHARACTERISTICS:
95             (A) LENGTH: 534 base pairs
96             (B) TYPE: nucleic acid
97             (C) STRANDEDNESS: single
98             (D) TOPOLOGY: linear
99
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INPUT SET: S34817.raw

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100                 (ix) FEATURE:
101                     (A) NAME/KEY: base_polymorphism
102                     (B) LOCATION: 458
103                     (D) OTHER INFORMATION: /note= "'N' represents an A or G or
104                          T or C polymorphism at this position"
105
106
107                 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:3:
108
109     TCCCGGCCTG CTGGGGTTTA TTTGTCTAGC TGGGGCAGGG TAGGGAGGGT CCCAGTCCCA      60
110     ACAGCCTGGG CCTTGGGACA GGGCGGGGGC AGTGATGGCC CCTGGAGCCC TACTGGGGGT     120
111     GGTAGATGTG GTCTTGGTCT TCCTCCGGTC CCAGGAGCAC CTGGTGATTT GGCATCACCC     180
112     ACAACCGGGG CCTCTCCTCG CCCTGGTCCT CCTCAGGCGG AGGGTGGTAC AGGCTGTCAT     240
113     GGTCGGGCTC GGGACTCAGG ACACGGCCCA GGGTGTCCTC GGTCTCCATC CAGGCCTTGG     300
114     TGCCTGGAAG GATGGGGCCC CTGCCCTGAC CTCGTGGCTT CTCCTCGGTG GTCAAGAGTT     360
115     TCGGCTTCTG GACAGGGAAC AGCACCACCA GCTGGTCGTC CTTCTCCGGA GGCTCCACCA     420
116     CACGGGCGCC CCAGGCTTCT CTGGGTCCTG CTCTGAGNGG CAGTGTTTGA CTTGCATCTT     480
117     GATAGGGAAC TTGGGTGCTG GGAATGCACC TGCCTCCCAC AGAAGAAAAA CAAC          534
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119                 (2) INFORMATION FOR SEQ ID NO:4:
120
121                 (i) SEQUENCE CHARACTERISTICS:
122                     (A) LENGTH: 615 base pairs
123                     (B) TYPE: nucleic acid
124                     (C) STRANDEDNESS: single
125                     (D) TOPOLOGY: linear
126
127
128                 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:4:
129
130     AGCCACTGCA GCTCCCTGAG CACTCTCTAC AGAGACGCGG ACCCCAGACA TGAGGAGGCT      60
131     CCTCCTGGTC ACCAGCCTGG TGGTTGTGCT GCTGTGGGAG GCAGGTGCAG TCCCAGCACC     120
132     CAAGGTCCCT ATCAAGATGC AAGTCAAACA CTGGCCCTCA GAGCAGGACC CAGAGAAGGC     180
133     CTGGGGCGCC CGTGTGGTGG AGCCTCCGGA GAAGGACGAC CAGCTGGTGG TGCTGTTCCC     240
134     TGTCCAGAAG CCGAAACTCT TGACCACCGA GGAGAAGCCA CGAGGTCAGG GCAGGGGCCC     300
135     CATCCTTCCA GGCACCAAGG CCTGGATGGA GACCGAGGAC ACCCTGGGCC GTGTCCTGAG     360
136     TCCCGAGCCC GACCATGACA GCCTGTACCA CCCTCCGCCT GAGGAGGACC AGGGCGAGGA     420
137     GAGGCCCCGG TTGTGGGTGA TGCCAAATCA CCAGGTGCTC CTGGGACCGG AGGAAGACCA     480
138     AGACCACATC TACCACCCCC AGTAGGGCTC CAGGGGCCAT CACTGCCCCC GCCCTGTCCC     540
139     AAGGCCCAGG CTGTTGGGAC TGGGACCCTC CCTACCCTGC CCCAGCTAGA CAAATAAACC     600
140     CCAGCAGGCC GGGCA                                                      615
141
142                 (2) INFORMATION FOR SEQ ID NO:5:
143
144                 (i) SEQUENCE CHARACTERISTICS:
145                     (A) LENGTH: 622 base pairs
146                     (B) TYPE: nucleic acid
147                     (C) STRANDEDNESS: single
148                     (D) TOPOLOGY: linear
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150
151                 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:5:
152
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INPUT SET: S34817.raw

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153    CTGGGATCAG CCACTGCAGC TCCCTGAGCA CTCTCTACAG AGACGCGGAC CCCAGACATG      60
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155    CCAGCACCCA AGGTCCCTAT CAAGATGCAA GTCAAACACT GGCCCTCAGA GCAGGACCCA     180
156    GAGAAGGCCT GGGGCGCCCG TGTGGTGGAG CCTCCGGAGA AGGACGACCA GCTGGTGGTG     240
157    CTGTTCCCTG TCCAGAAGCC GAAACTCTTG ACCACCGAGG AGAAGCCACG AGGTCAGGGC     300
158    AGGGGCCCCA TCCTTCCAGG CACCAAGGCC TGGATGGAGA CCGAGGACAC CCTGGGCCGT     360
159    GTCCTGAGTC CCGAGCCCGA CCATGACAGC CTGTACCACC CTCCGCCTGA GGAGGACCAG     420
160    GGCGAGGAGA GGCCCCGGTT GTGGGTGATG CCAAATCACC AGGTGCTCCT GGGACCGGAG     480
161    GAAGACCAAG ACCACATCTA CCACCCCCAG TAGGGCTCCA GGGGCCATCA CTGCCCCCGC     540
162    CCTGTCCCAA GGCCCAGGCT GTTGGGACTG GGACCCTCCC TACCCTGCCC CAGCTAGACA     600
163    AATAAACCCC AGCAGGCCGG GA                                              622
164
165            (2) INFORMATION FOR SEQ ID NO:6:
166
167            (i) SEQUENCE CHARACTERISTICS:
168                (A) LENGTH: 68 base pairs
169                (B) TYPE: nucleic acid
170                (C) STRANDEDNESS: single
171                (D) TOPOLOGY: linear
172
173
174            (xi) SEQUENCE DESCRIPTION: SEQ ID NO:6:
175
176    AGCTCGGAAT TCCGAGCTTG GATCCTCTAG AGCGGCCGCC GACTAGTGAG CTCGTCGACC      60
177    CGGGAATT                                                              68
178
179            (2) INFORMATION FOR SEQ ID NO:7:
180
181            (i) SEQUENCE CHARACTERISTICS:
182                (A) LENGTH: 68 base pairs
183                (B) TYPE: nucleic acid
184                (C) STRANDEDNESS: single
185                (D) TOPOLOGY: linear
186
187
188            (xi) SEQUENCE DESCRIPTION: SEQ ID NO:7:
189
190    AATTAATTCC CGGGTCGACG AGCTCACTAG TCGGCGGCCG CTCTAGAGGA TCCAAGCTCG      60
191    GAATTCCG                                                              68
192
193            (2) INFORMATION FOR SEQ ID NO:8:
194
195            (i) SEQUENCE CHARACTERISTICS:
196                (A) LENGTH: 24 base pairs
197                (B) TYPE: nucleic acid
198                (C) STRANDEDNESS: single
199                (D) TOPOLOGY: linear
200
201
202            (xi) SEQUENCE DESCRIPTION: SEQ ID NO:8:
203
204    AGCGGATAAC AATTTCACAC AGGA                                            24
205
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```
206                    (2) INFORMATION FOR SEQ ID NO:9:
207
208          (i) SEQUENCE CHARACTERISTICS:
209            (A) LENGTH: 18 base pairs
210            (B) TYPE: nucleic acid
211            (C) STRANDEDNESS: single
212            (D) TOPOLOGY: linear
213
214
215          (xi) SEQUENCE DESCRIPTION: SEQ ID NO:9:
216
217   TGTAAAACGA CGGCCAGT                                              18
218
219              (2) INFORMATION FOR SEQ ID NO:10:
220
221          (i) SEQUENCE CHARACTERISTICS:
222            (A) LENGTH: 20 base pairs
223            (B) TYPE: nucleic acid
224            (C) STRANDEDNESS: single
225            (D) TOPOLOGY: linear
226
227
228          (xi) SEQUENCE DESCRIPTION: SEQ ID NO:10:
229
230   CTGTCCAGAA GCCGAAACTC                                            20
231
232              (2) INFORMATION FOR SEQ ID NO:11:
233
234          (i) SEQUENCE CHARACTERISTICS:
235            (A) LENGTH: 20 base pairs
236            (B) TYPE: nucleic acid
237            (C) STRANDEDNESS: single
238            (D) TOPOLOGY: linear
239
240
241          (xi) SEQUENCE DESCRIPTION: SEQ ID NO:11:
242
243   AGGAAGACCA AGACCACATC                                            20
244
245              (2) INFORMATION FOR SEQ ID NO:12:
246
247          (i) SEQUENCE CHARACTERISTICS:
248            (A) LENGTH: 22 base pairs
249            (B) TYPE: nucleic acid
250            (C) STRANDEDNESS: single
251            (D) TOPOLOGY: linear
252
253
254          (xi) SEQUENCE DESCRIPTION: SEQ ID NO:12:
255
256   GGTAGATGTG GTCTTGGTCT TC                                         22
257
258              (2) INFORMATION FOR SEQ ID NO:13:
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****** PREVIOUSLY ERRORED SEQUENCES - EDITED *****

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433                    (2) INFORMATION FOR SEQ ID NO:23:
434
435          (i) SEQUENCE CHARACTERISTICS:
436             (A) LENGTH: 249 base pairs
437             (B) TYPE: nucleic acid
438             (C) STRANDEDNESS: single
439             (D) TOPOLOGY: linear
440
441
442          (xi) SEQUENCE DESCRIPTION: SEQ ID NO:23:
443
444    GGATCAGCCA CTGCAGCTCC CTGAGCACTC TCTACAGAGA CGCGGACCCC AGACATGAGG    60
445    AGGCTCCTCC TGGTCACCAG CCTGGTGGTT GTGCTGCTGT GGGAGGCAGG TGCAGTCCCA   120
446    GCACCCAAGG TCCCTATCAA GATGCAAGTC AAACACTGGC CCTCAGAGCA GGACCCAGAG   180
447    AAGGCCTGGG GCGCCCGTGT GGTGGAGCCT CCGGAGAAGG ACGACCAGCT GGTGGTGCTG   240
448    TTCCCTGTC                                                         249
449
450
```

```
451                    (2) INFORMATION FOR SEQ ID NO:24:
452
453          (i) SEQUENCE CHARACTERISTICS:
454             (A) LENGTH: 336 base pairs
455             (B) TYPE: nucleic acid
456             (C) STRANDEDNESS: single
457             (D) TOPOLOGY: linear
458
459
460          (xi) SEQUENCE DESCRIPTION: SEQ ID NO:24:
461
462    GGCAGGTGCA GTCCCAGCAC CCAAGGTCCC TATCAAGATG CAAGTCAAAC ACTGGCCCTC    60
463    AGAGCAGGAC CCAGAGAAGG CCTGGGGCGC CCGTGTGGTG GAGCCTCCGG AGAAGGACGA   120
464    CCAGCTGGTG GTGCTGTTCC CTGTCCAGAA GCCGAAACTC TTGACCACCG AGGAGAAGCC   180
465    ACGAGGTCAG GGCAGGGGCC CCATCCTTCC AGGCACCAAG GCCTGGATGG AGACCGAGGA   240
466    CACCCTGGGC CGTGTCCTGA GTCCCGAGCC CGACCATGAC AGCCTGTACC ACCCTCCGCC   300
467    TGAGGAGGAC CAGGGCGAGG AGAGGCCCCG GTTGTG                            336
468
469
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```
470                    (2) INFORMATION FOR SEQ ID NO:25:
471
472          (i) SEQUENCE CHARACTERISTICS:
473             (A) LENGTH: 300 base pairs
474             (B) TYPE: nucleic acid
475             (C) STRANDEDNESS: single
476             (D) TOPOLOGY: linear
477
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INPUT SET: S34817.raw

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478          (ix) FEATURE:
479               (A) NAME/KEY: base_polymorphism
480               (B) LOCATION: 8
481               (D) OTHER INFORMATION: /note= "'N' represents an A or G or
482                    T or C polymorphism at this position"
483
484          (ix) FEATURE:
485               (A) NAME/KEY: base_polymorphism
486               (B) LOCATION: 102
487               (D) OTHER INFORMATION: /note= "'N' represents an A or G or
488                    T or C polymorphism at this position"
489
490          (ix) FEATURE:
491               (A) NAME/KEY: base_polymorphism
492               (B) LOCATION: 194
493               (D) OTHER INFORMATION: /note= "'N' represents an A or G or
494                    T or C polymorphism at this position"
495
496          (ix) FEATURE:
497               (A) NAME/KEY: base_polymorphism
498               (B) LOCATION: 212
499               (D) OTHER INFORMATION: /note= "'N' represents an A or G or
500                    T or C polymorphism at this position"
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502          (ix) FEATURE:
503               (A) NAME/KEY: base_polymorphism
504               (B) LOCATION: 225
505               (D) OTHER INFORMATION: /note= "'N' represents an A or G or
506                    T or C polymorphism at this position"
507
508          (ix) FEATURE:
509               (A) NAME/KEY: base_polymorphism
510               (B) LOCATION: 230
511               (D) OTHER INFORMATION: /note= "'N' represents an A or G or
512                    T or C polymorphism at this position"
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514          (ix) FEATURE:
515               (A) NAME/KEY: base_polymorphism
516               (B) LOCATION: 259
517               (D) OTHER INFORMATION: /note= "'N' represents an A or G or
518                    T or C polymorphism at this position"
519
520
521          (xi) SEQUENCE DESCRIPTION: SEQ ID NO:25:
522
523     GCCCCATNCT TCCAGGCACC AAGGCCTGGA TGGAGACCGA GGACACCCTG GGCCGTGTCC     60
524     TGAGTCCCGA GCCCGACCAT GACAGCCTGT ACCACCCTCC GNCTGAGGAG GACCAGGGCG    120
525     AGGAGAGGCC CCGGTTGTGG GTGATGCCAA ATCACCAGGT GCTCCTGGGA CCGGAGGAAG    180
526     ACCAAGACCA CATNTACCAA CCCCAGTAGG GNTTCAGGGG CCATNAGTGN CCCCGGCCTG    240
527     TTCCAAGGCC CAGGTGTTNG GATTGGACCT TCCTAACCTG CCCAGTTAGA CAAATAAAAC    300
528
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SEQUENCE VERIFICATION REPORT
PATENT APPLICATION   *US/09/049,695A*

INPUT SET: S34817.raw

Line	Error	Original Text